Radar Scientist

Flight ID <u>20130914+11</u> Storm/NGRID	Radar Scientist HUA CHEN
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The on-board radar scientist is responsible for data collection from all radar systems on his/her assigned aircraft. Detailed operational procedures and checklists are contained in the operator's manual. General supplementary procedures follow. (Check off or initial.)

Preflight	
1.	Determine status of equipment and report results to lead project scientist (LPS).
2.	Confirm mission and pattern selection from the LPS.
3.	Select the operational mode for radar system(s) after consultation with the LPS.
4.	Complete the appropriate preflight check list.
In-Flight	
1:-	Monitor the Tail Doppler Radar function regularly, using the realtime TDR display, to make sure the Doppler radar is scanning and working normally.
2.	Maintain the Doppler Wind Parameter form as well as a written commentary in the Radar Event Log of event times, such as ending and restarting of radar recording. Also document any equipment problems or changes in R/T, INE, or signal status.
Post flight	
1.	Complete the summary checklist and all other appropriate forms.
2.	Download all Tail (TA) radar data files to thumb drive.
3.	Brief the LPS on equipment status and turn in completed forms and thumb drives to the LPS.
4.	Debrief at the base of operations.
5.	Determine the status of future missions and notify HFP Director as to where you can be contacted

HRD Radar Event Log

Time (HHMMSS)	(Include down time and times of when recording ended and was restarted) Event
Time (HHMMSS)	Event
(HHMMSS)	
69-10:15 le	00.00
	2t - 2 1840 200 94° 18' 36"
9:22:12	20°35'40" 94°56'9" rouling 12 km. to km. ra
02.737:00	20°1'11' 94°44'24" (center)
09:33:13	190,945' 9644'42' (lokm top 30km)
934335	19° 29' 33" 94° 12" 21"w' (drop).
-1 -1 -1	10: 1'- 2" 20"1
09:44:33	19 16: 20 75 13 2 0 W
	77011-4 10
10 . //. /	18° 05 17 93° (1) 2" (0At truch
10:04:76	
10:13:03	19'12'38" 93538" whomas
	10 . (0) 0 (1832/ 22"
10 ps 6 - 20	09/18" 94032'32" 14 Km overshort. (-
7 1 1 1 1	
5	